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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Molisch et al.

Title: RF SIGNAL PROCESSING IN MULTI-ANTENNA SYSTEMS

Serial No.: 10/629,240

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

PLG 2/93
IDS.FRM

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- (1) Within three months of the filing date of a national application; OR
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- (1) A Final Action under 37 CFR 1.113; OR
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1.97(e) as set out below; OR

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1.17(p).

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(2) Petition is hereby made under 37 CFR
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If this Information Disclosure Statement is being filed
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

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— each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

MERL-1478

Authorization is hereby given to charge the indicated fee(s)
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Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

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Enclosures

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Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1478	Serial Number: 10/629,240
INFORMATION DISCLOSURE CITATION (Use separate sheets if necessary)		Applicant: Molisch et al.	
		Filing date: July 29, 2003	Group art area:

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	Gore et al., "MIMO Antenna Subset Selection with Space-Time Coding," <i>IEEE Trans. Signal Processing</i> , Vol. 50, No. 10, pp. 2580-2588, October 2002
2.	Bölcskei et al., "Performance of Space-Time Codes in the Presence of Spatial Fading Correlation," <i>Proc. Asilomar Conf. Signals, Syst. Comput.</i> , pp. 687-693, November 2000
3.	Molisch et al., "Reduced-Complexity Transmit/Receive-Diversity Systems", submitted to <i>IEEE Trans. Signal Processing</i> , 2002.
4.	Vaughn and Anderson, <i>Channels, propagation, and antennas for mobile communications</i> , Chapter 9, pp. 629-680, IEE Press, 2003
5.	Molisch et al., "FFT-based Hybrid Antenna Selection Schemes for Spatially Correlated MIMO Channels", to be submitted to <i>IEEE Communication Letter</i>
6.	Asztely, "On Antenna Arrays in Mobile Communication Systems: Fast Fading and GSM Base Station Receiver Algorithms", Tech. Rep. IRS3-SB-9611, Royal Institute of Technology, Stockholm, Sweden, March 1996

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.